

Title (en)  
Mini-proinsulin, its production and use.

Title (de)  
Mini-Proinsulin, seine Herstellung und Verwendung.

Title (fr)  
Mini-proinsuline et sa production et utilisation.

Publication  
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Application  
**EP 89111027 A 19890617**

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Abstract (en)  
A mini-proinsulin in which the A and B chains are linked by the amino acid Arg in place of the C chain has insulin activity and is suitable for producing medicaments for the treatment of diabetes mellitus. It can also be converted straightforwardly with trypsin into an insulin derivative whose B chain is extended by Arg. The latter can be converted with carboxypeptidase B into insulin. However, it is also possible and advantageous to convert the mini-proinsulin directly into insulin in a one-pot process.

Abstract (de)  
Ein Mini-Proinsulin, bei dem anstelle der C-Kette die Aminosäure Arg die A- und die B-Kette überbrückt, zeigt Insulinaktivität und eignet sich zur Herstellung von Arzneimitteln zur Behandlung des Diabetes mellitus. Es kann weiterhin einfach mit Trypsin in ein Insulinderivat überführt werden, dessen B-Kette um Arg verlängert ist. Dieses kann mit Carboxypeptidase B in Insulin umgewandelt werden. Vorteilhaft kann aber auch das Mini-Proinsulin direkt in einem Eintopfverfahren zu Insulin umgesetzt werden.

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